



## The Board of Education of School District # 28 Quesnel

### 2015 Carbon Neutral Action Report

**Declaration statement:**

This Carbon Neutral Action Report for the period January 1<sup>st</sup>, 2015 to December 31<sup>st</sup>, 2015 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2015 to reduce our greenhouse gas

By June 30, 2016, School District #28 (Quesnel) final *Carbon Neutral Action Report* will be posted to our website at [www.sd28.bc.ca](http://www.sd28.bc.ca).

**Overview:** The Board of Education is committed to environmental sustainability and recognizes the influence the District can have on student and employee behavior. Environmental sustainability is defined as those practices that minimize energy use, pollution and water consumption, resulting in a smaller carbon footprint via reduced emissions for the District through innovative efforts focused to reduce, renew and recycle.

During the 2016/17 school year the District plans to:

- Realize carbon neutral savings through the closure of school facilities which will have a reduction to heating and electricity usage, reducing overall emissions.
- Investigate selling surplus facilities which will reduce overall emissions.
- Continue to downsize our automotive fleet and sell any surplus vehicles.
- Continue to purchase energy star appliances and computer when replacing unit.
- Work with all locations to determine current efforts directed towards carbon neutrality.





**Emissions and Offset Summary Table:**

<i>The Board of Education of School District #28 (Quesnel) GHG Emissions and Offset for</i>	
<b>2015 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2015 :</b>	
Total Emissions (tCO <sub>2</sub> e)	1,848
Total Offsets (tCO <sub>2</sub> e)	1,162
<b>Adjustments to GHG Emissions Reported in Prior Years:</b>	
Total Emissions (tCO <sub>2</sub> e)	0
Total Offsets (tCO <sub>2</sub> e)	0
<b>Grand Total Offsets for the 2015 Reporting Year:</b>	
Grand Total Offsets (tCO <sub>2</sub> e)	1,162

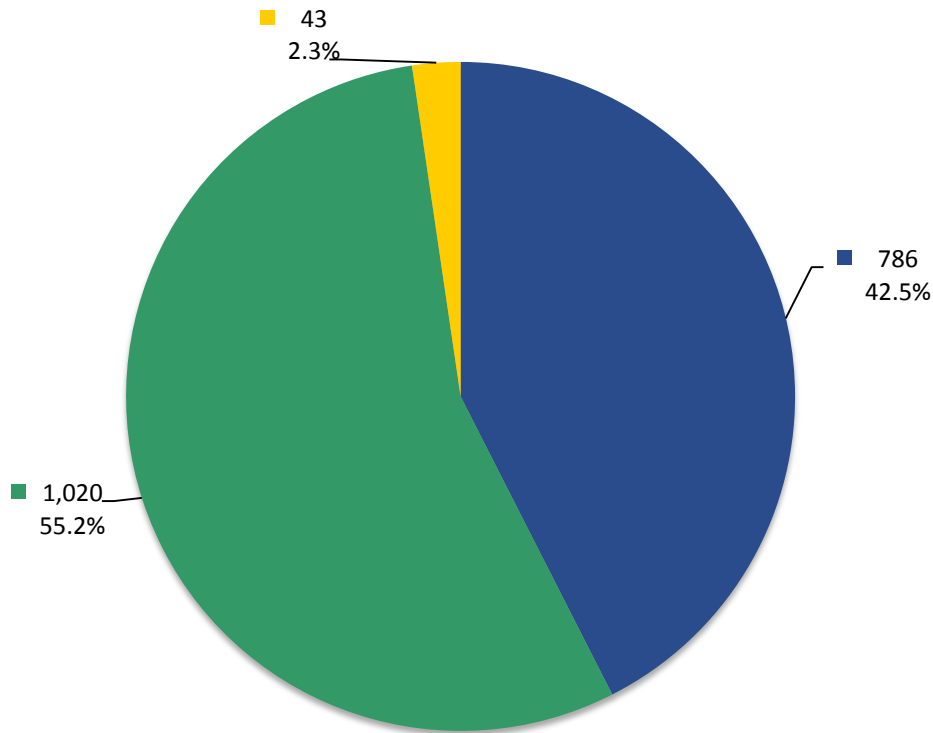
**Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, *School District #28 (Quesnel)* (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2015 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment ensuring that these offsets are retired on the Organization's behalf, the Organization will pay the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

**Executive sign-off:**

	
Signature	Date
	
Name (please print)	Title

### School District 28 - Quesnel School Greenhouse Gas Emissions by Source for the 2015 Calendar Year (tCO<sub>2</sub>e\*)



**Total Emissions: 1,848**

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

#### **Offsets Applied to Become Carbon Neutral in 2015 (Generated May 25, 2016 9:55 AM)**

Total offsets required: **1,162**. Total offset investment: **\$29,050**. Emissions which do not require offsets: **686** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

\*\* Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.

# 2015 Carbon Neutral Action Report Survey

Organization Name:

*School District 28 (Quesnel)*

Please select your sector:

- School District

1) Stationary Sources (Buildings, Power Generators, Ext. Lighting) Fuel Combustion, Electricity use, Fugitive Emissions:

Please indicate which actions your PSO took in 2015:

Have developed an overall strategy/plan to reduce energy use in your organization's buildings inventory:

*Yes*

If Yes, please describe:

*Have had 3 school closures which reduces our district's footprint considerable. We will be using less hydro/fuel as the schools consolidate to accomodate more students. We also consolidated our aboriginal education building in with continuing education so they share one space and we reduce our footprint in this district.*

Undertook evaluations of building energy use:

*Yes*

Performed energy retrofits on existing buildings:

*No*

Built or are building new LEED Gold or other "Green" buildings:

*No*

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from buildings:

*- putting new pellet boiler in at our higher School (correlieu secondary) - plans completed in 2015 with work to start in 2016.  
- we continue to downsize our automotive fleet by selling surplus vehicles and will look into buying fuel efficient vehicles as it comes time to replace the vehicles.*

*- continue to purchase energy star appliances and be buy pre-owned laptops (recycling) to use within our schools.*

2) Mobile Sources (Fleet, Off-road/Portable Equipment) Fuel Combustion:

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to support systematic reductions in fleet related emissions:

(e.g., program to convert fleet to renewable fuels)

No

If Yes, please describe:

*Have had one bus on a trial basis as a hybrid vehicle. No policy or program, however.*

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel):

No

Replaced existing vehicles with hybrid or electric vehicles:

Yes

Took steps to drive less than previous years:

Yes

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from fleet combustion:

*Per the hybrid vehicle Q above - we have one bus on trial as a hybrid.*

3) Supplies (Paper):

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to facilitate a systematic reduction in paper-related emissions:

(e.g., policy to purchase 100% Recycled Content; default to double-sided printing)

Yes

If yes, please describe:

*double sided printing is the default on all computers/printers, recycled paper used, installed hand dryers to avoid using paper product*

Have put in place an operations policy/program to facilitate behavioural changes from paper use:

(e.g. awareness campaign to reduce paper use):

*Yes*

If yes, please describe:

*use paperless meetings (on-screen); schools and offices are more aware to recycle when able to. No formal policy and program but things we live by.*

Used only 100% recycled paper:

*No*

Used some recycled paper:

*Yes*

Used alternate source paper:

(e.g., bamboo, hemp, wheat etc.)

*No*

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from paper supplies:

*(No response)*

4) Other Sustainability Actions:

Please note that this section is optional

Business Travel

Created a low-carbon travel policy or travel reduction goal:

(low-carbon = lowest emission of greenhouse gas per kilometer per passenger)

No

Encouraged alternative travel for business:

(e.g. bicycles, public transit, walking)

No

Encouraged or allow telework/working from home:

No

Other:

*We carpool when able to reduce multiple vehicles going to the same location.*

Education Awareness

Have a Green/Sustainability/Climate Action Team:

No

Supported green professional development:

(e.g. workshops, conferences, training)

No

Supported or provided education to staff about the science of climate change, conservation of water, energy and/or raw materials:

No

Other:

*(No response)*



## Adaptation Planning for Climate Risks

Have assessed whether increased frequency of extreme weather events and/or long term changes in climate will affect your organization's infrastructure, its employees and/or its clients:

*Yes*

Have incorporated these anticipated changes in climate into your organization's planning and decision making:

*Yes*

Other:

*(No response)*

## Other Sustainability Actions

Established a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models:

*Yes*

Have put in place an operations policy/program to facilitate the reduction and diversion of building occupant waste stream from landfills or incineration facilities:

(e.g., composting, collection of plastics, batteries)

*Yes*

Established green standards for goods that are replaced infrequently and/or may require capital funds to purchase:

(e.g., office furniture, carpeting, etc.)

*Yes*

Incorporated lifecycle costing into new construction or renovations:

*No*

Please list any other sustainability actions your organization has taken not listed above:

*(No response)*